

FIG. 1

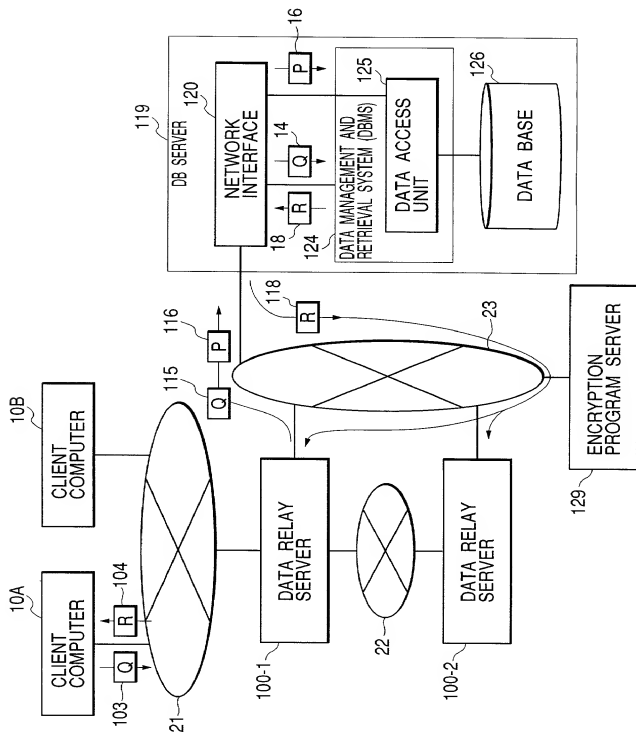


FIG. 2

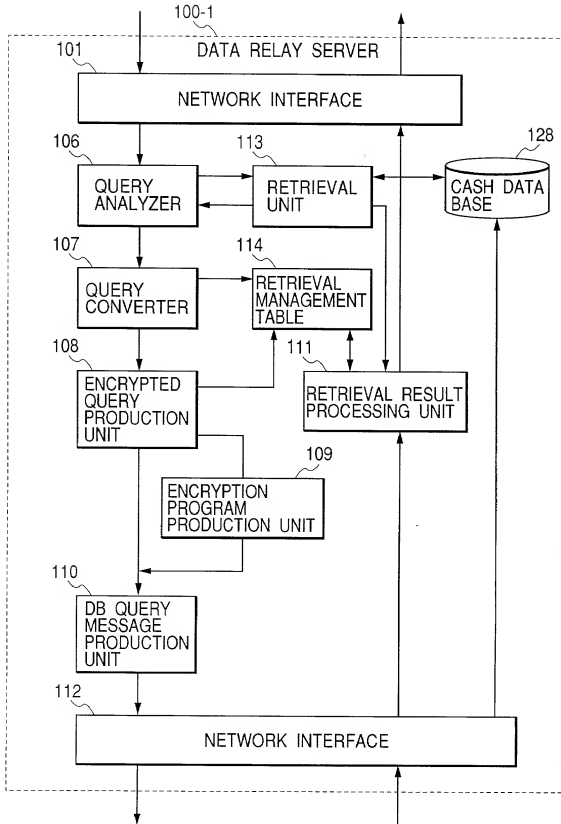


FIG. 3

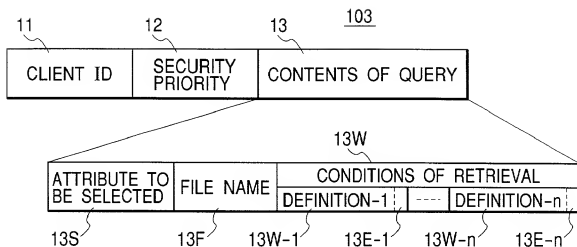


FIG. 4

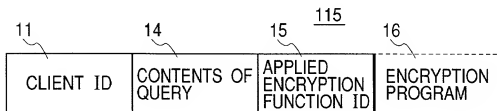
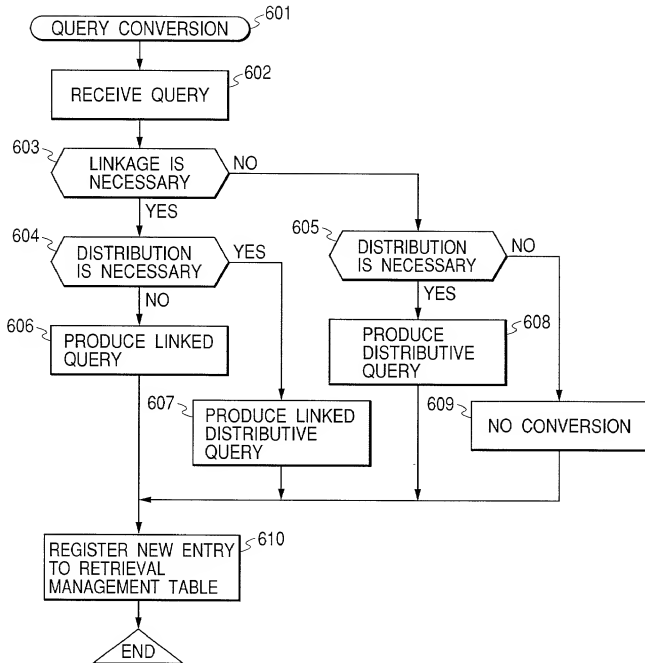


FIG. 5

**114 RETRIEVAL MANAGEMENT TABLE**

1141 CLIENT ID	1142 CONTENTS OF ORIGINAL QUERY	1143 CONTENTS OF CONVERTED QUERY	1144 TYPE OF CONVERSION	1145 1:1 CONVERSION FLAG	
					EN-1
					EN-2

FIG. 6



**FIG. 7A**

801 SAVING BALANCE TABLE

CUSTOMER ID	BRANCH	SAVING AMOUNT
060001895	SINJUKU	1,050,000
061089288	KEBUKURO	125,000
060102952	SINJUKU	120,000
-----		-----

**FIG. 7B**

QUERY Q1 :

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
FROM SAVING BALANCE TABLE
WHERE SAVING AMOUNT >= 1,000,000 ;
```

805

**FIG. 7C**

QUERY Q2 :

```
SELECT CUSTOMER ID, SAVING AMOUNT
FROM SAVING BALANCE TABLE
WHERE SAVING AMOUNT <= 10,000 ;
```

806

FIG. 7D

LINKED QUERY :

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
FROM SAVING BALANCE TABLE
WHERE SAVING AMOUNT >= 1,000,000 OR
SAVING AMOUNT <= 10,000 ;
```

807

**FIG. 7E**

DISTRIBUTIVE QUERY DQ1:

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
FROM SAVING BALANCE TABLE
WHERE (SAVING AMOUNT >= 1,000,000 OR
SAVING AMOUNT <= 10,000)
AND BRANCH = 'SINJUKU' ;
```

808

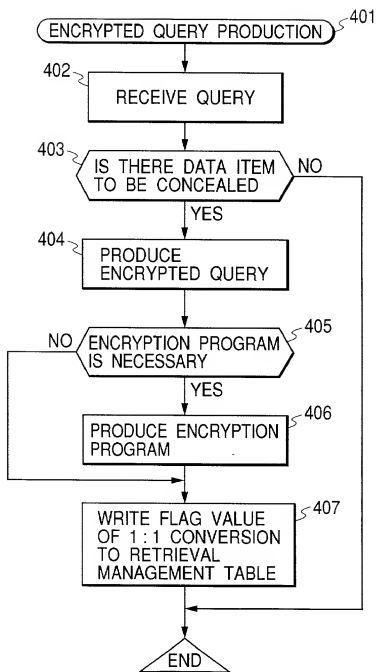
FIG. 7F

### DISTRIBUTIVE QUERY DQ2:

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
FROM SAVING BALANCE TABLE
WHERE (SAVING AMOUNT >= 1,000,000 OR
SAVING AMOUNT <= 10,000)
AND BRANCH <> 'SINJUKU' ;
```

809

FIG. 8



**FIG. 9A**

901 GENE ARRANGEMENT TABLE

902 NAME	903 RELATED LINK	904 ARRANGEMENT STRUCTURE
abcd	site A	atcg
efgh	site B	tggtcg
ijkl	site C	ccttt
---	---	---

**FIG. 9B**

QUERY Q3 :

```

SELECT NAME, RELATED LINK
FROM GENE ARRANGEMENT TABLE
WHERE ARRANGEMENT STRUCTURE = ' atcg' ;

```

} 905

**FIG. 9C**

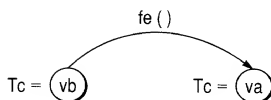
QUERY Q4 :

```

SELECT NAME, RELATED LINK, ARRANGEMENT
STRUCTURE
FROM GENE ARRANGEMENT TABLE
WHERE ARRANGEMENT STRUCTURE = '@2aSzE' ;

```

} 906

**FIG. 10**

Tc : DATA ITEM TO BE CONCEALED

fe () : ENCRYPTION FUNCTION

vb : ORIGINAL DATA VALUE

va : ENCRYPTED DATA VALUE

FIG. 11

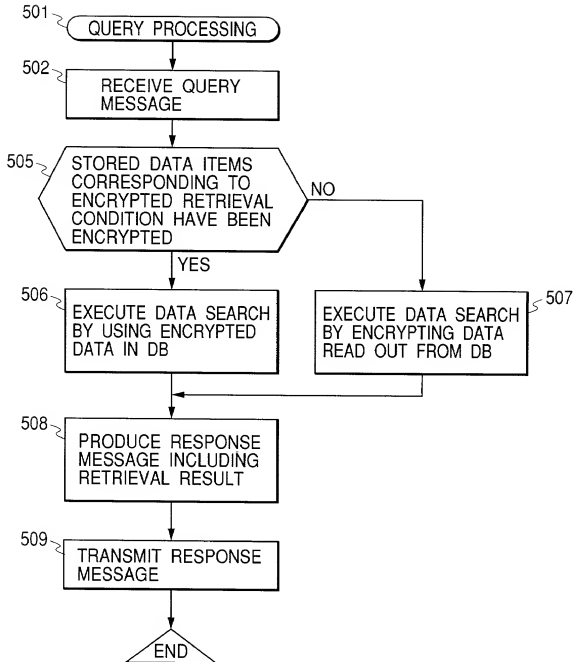




FIG. 12

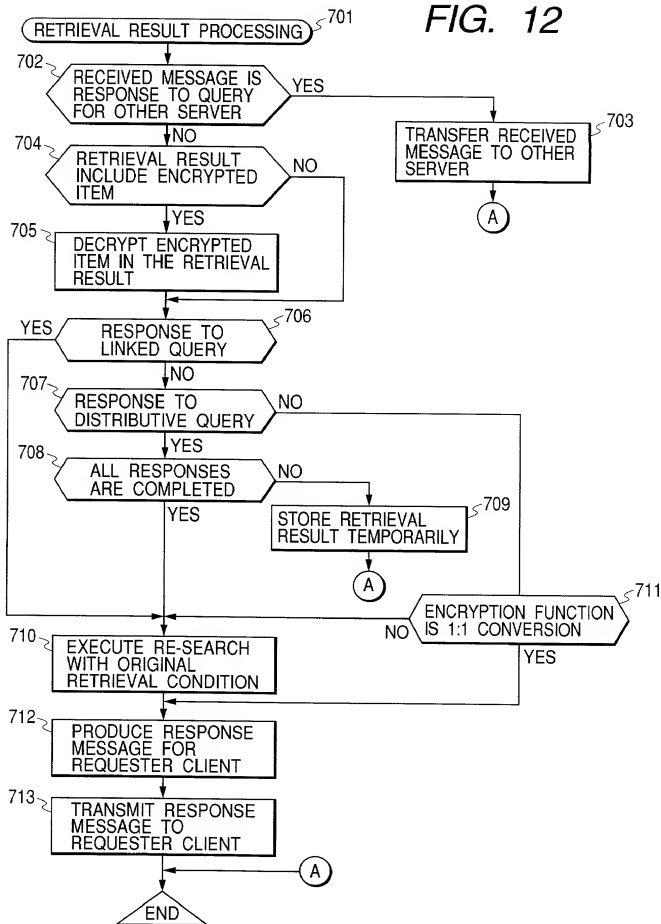


FIG. 13  
PRIOR ART

